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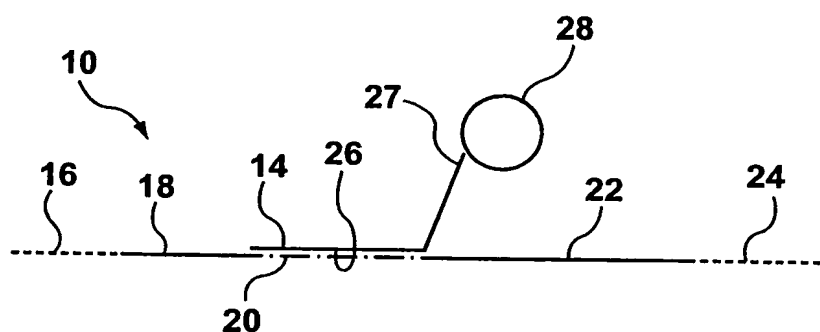


FIG. 1A

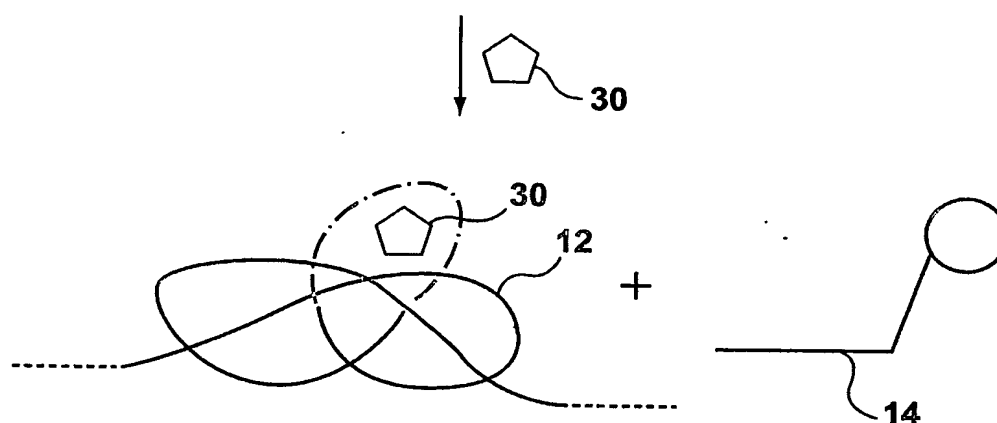


FIG. 1B



FIG. 1C

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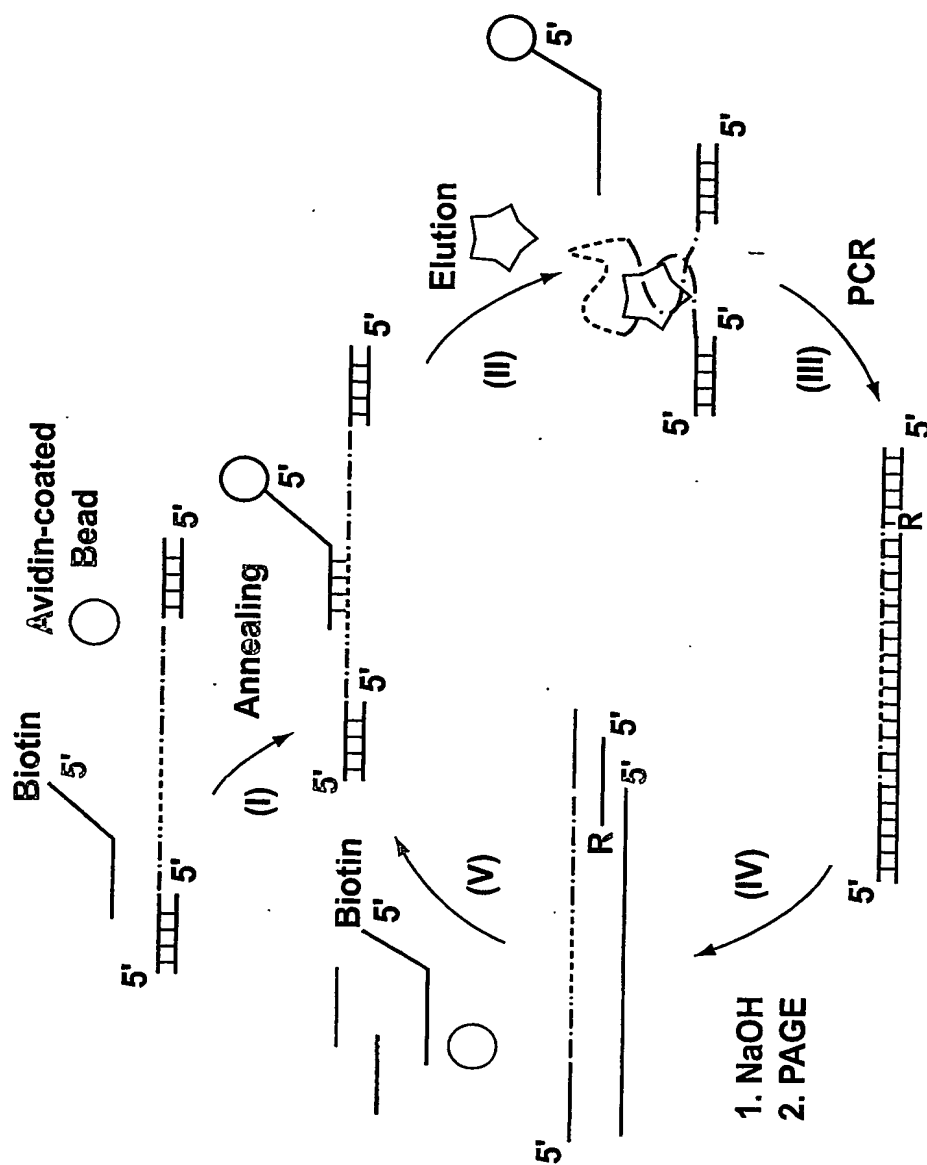


FIG. 2

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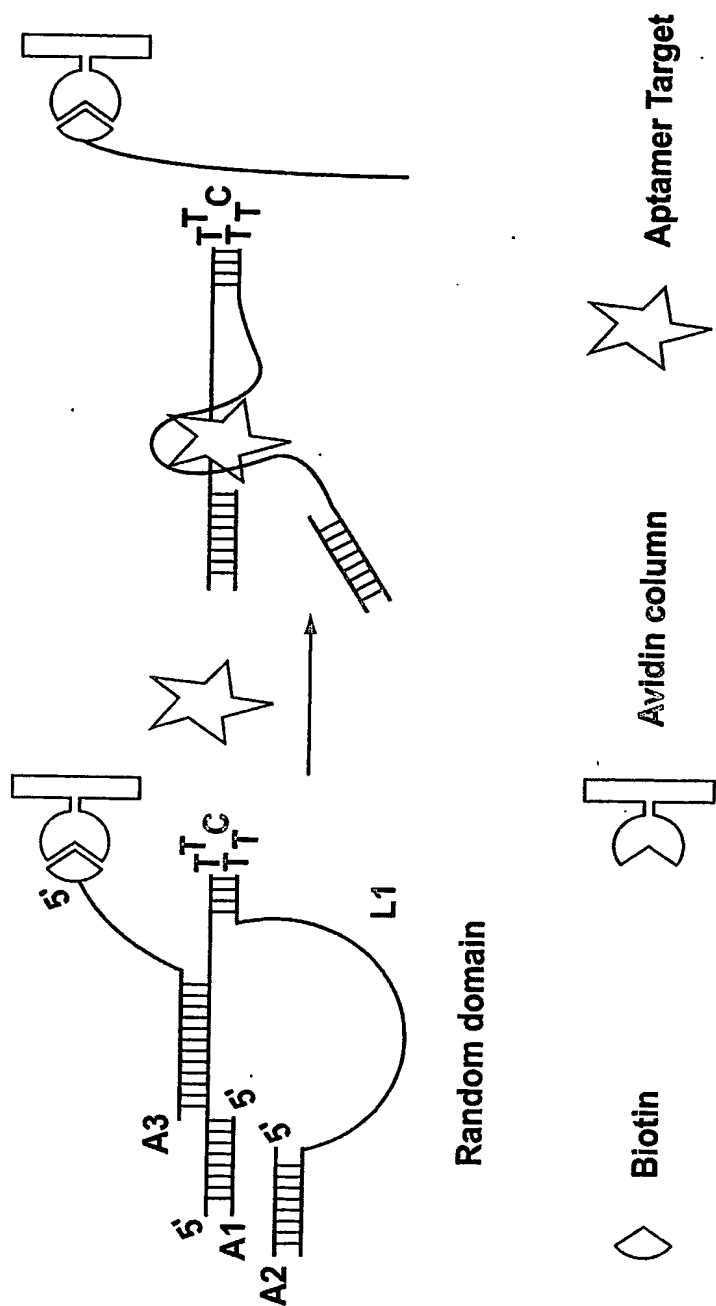
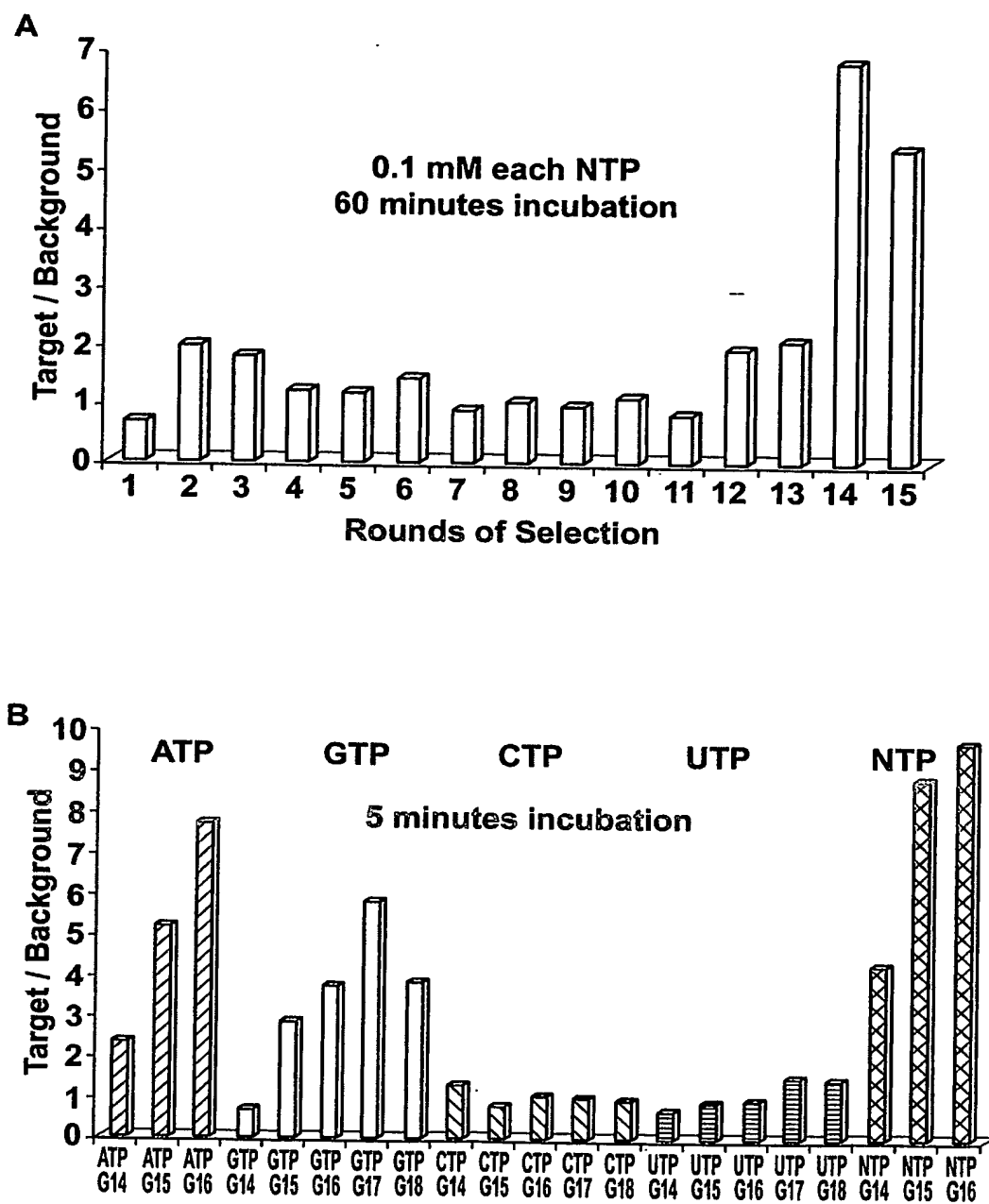


FIG. 3

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**FIG. 4**

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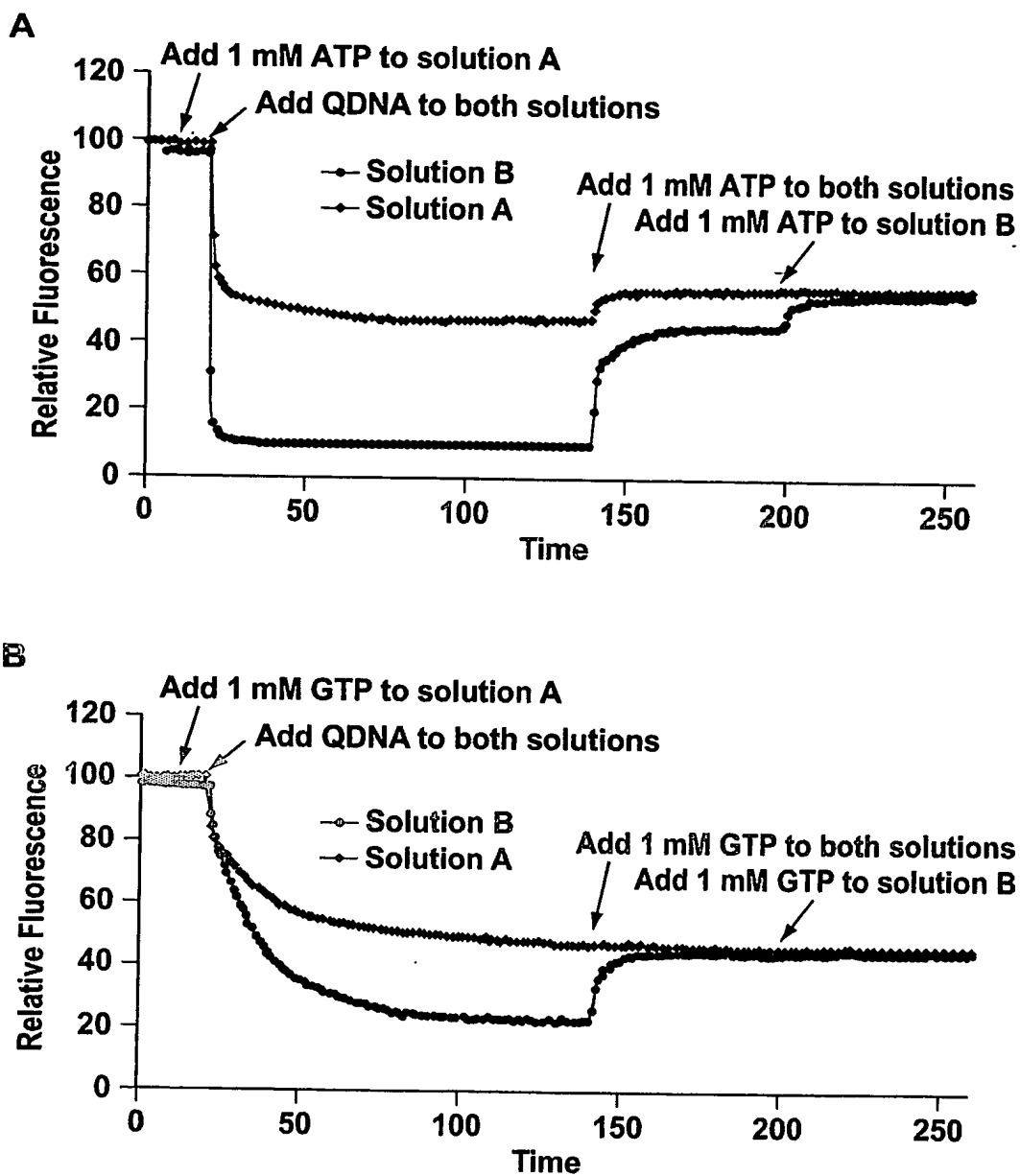
- A Library**
AAGCTTNNNNNNNNCTGCAGCGATTCTTGATCGNNNNNNNNNNNNNNNNNNNN
- B ATP Aptamer**
Class I
1ATP1 AxxCTTCGGAGGAGTTCTGCAGCGATxCTTGATCGGGGACGGGGGAGAAAGGTTT
1ATP2 AxxCTTCGGAGGAGTTCTGCAGCGATxCTTGATCGGGGACGGGGGAGAAAGGTGT
1ATP3 AxxCTTCGGAGGAGTTCTGCAGCGATxCTTGATCGGGGATGGGGGAGAAAGGTTT
Class II
2ATP1 AAxCTTTGGAGGAGATCxGCAGCGATTCTTGATCGTCATCGGGGAGAAAGTGATA
2ATP2 AAxCTTTGGAGGAGATCxGCAGTGATTCTTGATCGCCATCGGGGAGAAAGTGACA
2ATP3 AAxCTTTGGAGGAGATCxGCAGCGATTCTTGATCGCTATCGGGGAGAAAGTGATA
2ATP4 AAxCTTTGGAGGAGATCxGCAGTGATTCTTGATCGCCATCGGGGAGAAAGTGACA
2ATP5 AAGCTTCGGAGGAGAACTGCAGTGATxCTTGATCGCATTTTCGGGGAGAAATGCC
Class III
3ATP1 AAGCTxGGAGGAGGA^{ACTGCAGCGATTCTTGATCGGAAGGTAACGGGGAGGGCT}
Previously Selected ATP Aptamer
GCTTGGAGGAGTATTGCGGGGAAAGC
- C GTP Aptamer**
Class I
1GTP1 AAGxxxGGGGTGGTTTCCGCAGTGATTCTTGATCGCGGAAGTTGGTGGGAGGGT
1GTP2 AAGxxxGGGGTGGTTTCCGCAGCGATTCTTGATCGCGGAAGTCGGTGGGAGGGT
1GTP3 AAGxxxGGGGTGGTTTCCGCAGCGATTCTTGATCGCGGAAGTTGGCGGGAGGGT
1GTP4 GAGxxxGGGGTGGTTTCCGCAGCGATTCTTGATCGCGGAAGTTGGTGGGAGGGT
1GTP5 AAGxxxGGGGTGGTTTCTGCAGTGATTCTTGATCGCGGAAGTTGGTGGGAGGGT

FIG. 5

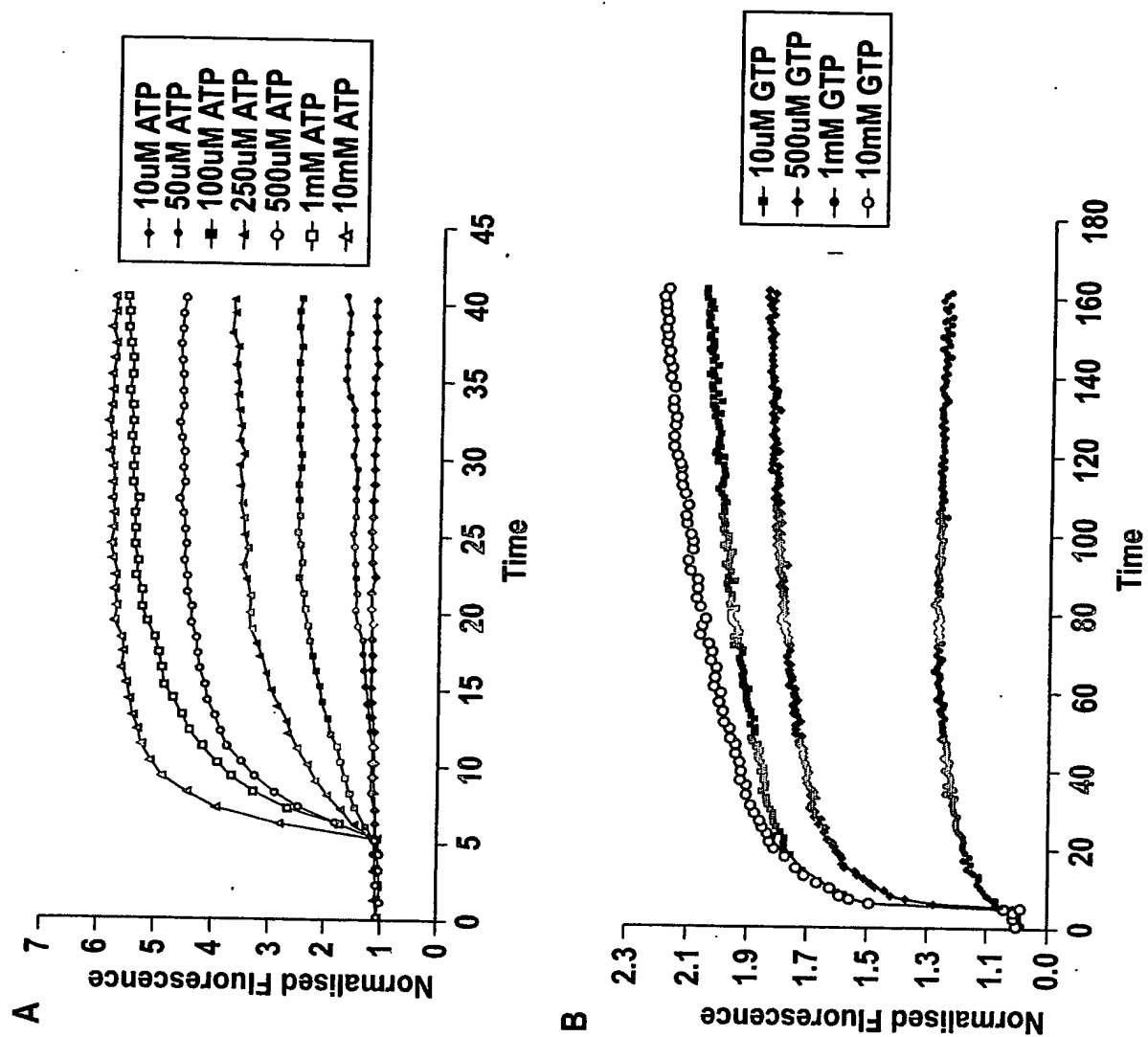
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**FIG. 7**

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**FIG. 8**